



B4 cont  
protein VIII C-terminus) to 20. PentaHis flag display was measured by phage ELISA (Example 13) with an anti-(His)5 antibody (Qiagen) as the capture target (Fig. 13).--

✓ Please replace the paragraph beginning at page 79, line 41, with the following rewritten paragraph:

B5  
--Linkers selected for display of a peptide fused to the C-terminus of protein VIII. The sequences shown were inserted between the final residue of protein VIII and a heptapeptide (HHHHHHA (SEQ ID NO. 280), referred to as a hexaHis flag). For each selectant, the DNA sequence is shown with the deduced amino acid sequence below. The numerical designation for each sequence is shown to the left.--

✓ Please replace the paragraph beginning at page 80, line 24, with the following rewritten paragraph:

B6  
--This ORF was designed as follows. The first two residues were (Met-Ser) chosen to allow good translation initiation. This dipeptide was followed by a retrotranslation of residues 40-48 of mature protein VIII from M13 bacteriophage (KLFKKFTSK (SEQ ID NO. 282) retrotranslated to KSTFKKFLK SEQ ID NO. 283) which was in turn followed by a retrotranslation of protein VIII residues 1-20 (AEGDDPAKAAFNSLQASATE (SEQ ID NO. 285) retrotranslated to ETASAQLSNSAAKAPDDGEA (SEQ ID NO. 284)). To the C-terminus of this polypeptide was fused a nonapeptide (AAHHHHHHA (SEQ ID NO. 281)) hexaHis flag. Thus, this ORF consists of the dipeptide Met-Ser, followed by a retrotranslation of residues 1-48 of mature protein VIII with the central hydrophobic section (residues 21-30) deleted, followed by a hexaHis flag.--

✓ Please replace the paragraph beginning at page 81, line 26, with the following rewritten paragraph:

B7  
--Phagemid pS1232a was digested with NsiI and XbaI and a similarly digested DNA fragment encoding an hGH variant (hGH

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cont

supermutant, hGHsm) with improved affinity for the hGH binding protein (hGHbp) was inserted. The phagemid was designated pS1239b; it contains an ORF encoding P12-1 followed by a tetrapeptide linker (Ala-Ala-Asp-Ala), followed by hGHsm as shown below. The protein product of the pS1239b ORF is depicted; it consists of P12-1, followed by a tetrapeptide linker (AADA (SEQ ID NO. 286)), followed by hGHsm. P12-1 was divided into six zones as indicated, and a library was constructed for each zone. In addition, a linker library was constructed in which random 14-residue peptides were inserted in the middle of the tetrapeptide linker as shown.--

Please replace the paragraph beginning at page 83, line 9, with the following rewritten paragraph:

--ATG AGC AAG AGC ACT TTC AAA AAG TTT CTG  
M S K S T F K K F L

AAA GTT TTT GTT TTT TCT GTT GAT GTT GAT  
K V F V F S V D V D

B8

AAT AAT TGG ATT TGG GCT GTC GGT ATT ATT  
N N W I W A V G I I

TAC ATG CTC CTC GTG GAG GCG TCG CCC TGG  
Y M L L V E A S P W

GCT GCT AAG GCG CCA GAC GAT GGT GAA GCT (SEQ ID NO. 124)  
A A K A P D D G E A (SEQ ID NO. 33)--

Please replace the paragraph beginning at page 84, line 23, with the following rewritten paragraph:

B9

--Standard molecular biology techniques were used to construct a phagemid designated pS1428d. Phagemid pS1428d is similar to pS1290a, except that the ORF under the control of the IPTG-inducible Ptac

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promoter (New England Biolabs) consists of the maltose binding protein signal peptide followed by the C-terminal domain of M13 protein III (Lowman et al., (1991) *Biochemistry*, 30:10832). The method of Kunkel (Example 12) was used to fuse libraries to the C-terminus of the protein III C-terminal domain encoded by pS1428d. The libraries consisted of random linkers of various lengths followed by a hexaHis flag (HHHHHH (SEQ ID NO. 287)). The end result was libraries containing ORFs which encoded the C-terminal domain of protein III, followed by random polypeptide linker sequences, followed by the hexaHis flag. The lengths of the linkers were varied and depended on the mutagenic oligonucleotides used: oligonucleotides UHg3-L6, UHg3-L8, or UHg3-L10 introduced linkers containing 6, 8, or 10 residues respectively. The diversities of the libraries were as follows: UHg3-L6,  $3.5 \times 10^{10}$ ; UHg3-L8,  $1.2 \times 10^{10}$ ; UHg3-L10,  $2.8 \times 10^{10}$ ..--

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